

## Division of Waste Management Solid Waste Section

UNIT TYPE:													
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Chatham	
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM		PERMIT NO.: 19-08	
CDLF		Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF		FILE TYPE: COMPLIANCE	

Date of Site Inspection: September 20, 2013 Date of Last Inspection: June 26, 2012

### **FACILITY NAME AND ADDRESS:**

Metro Energy Corporation Scrap Tire Collection and Processing Facility 3313 Bowers Store Road Silk Hope, NC 27344

GPS COORDINATES: N: 35.77401 E: -79.32060

### **FACILITY CONTACT NAME AND PHONE NUMBER:**

Michael Tucker, President Metro Energy Corporation c. 919-818-6807 work truck. 919-886-0020 f. 919-967-1050 h. 919-542-1044 mtucker@metroenergync.com

#### **FACILITY CONTACT ADDRESS:**

Michael Tucker, President Metro Energy Corporation 11312 US 15-501 Hwy, North Suite 107-103 Chapel Hill, NC 27517

### **PARTICIPANTS**

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS) Sarah Rice, Compliance Officer - SWS Michael Tucker, President – Metro Energy Corporation

#### **STATUS OF PERMIT:**

Permit To Operate (PTO) issued June 14, 2011 Permit To Construct (PTC) issued in conjunction with PTO

### **PURPOSE OF SITE VISIT:**

Comprehensive Inspection

### **STATUS OF PAST NOTED VIOLATIONS:**

None

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### **OBSERVED VIOLATIONS**

None

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

### ADDITIONAL COMMENTS

On September 20, 2013, John Patrone and Sarah Rice met with Michael Tucker to conduct a comprehensive inspection of the Metro Energy Corporation Scrap Tire Collection and Processing Facility on Bowers Store Road in Silk Hope, Chatham County.

- 1. The facility is permitted for a scrap tire collection and processing operation.
- 2. The facility must be maintained and operated in accordance with the North Carolina Solid Waste Management Rules, specifically 15A NCAC 13B .1106, .1107, and .1110, as well as the facility permit and approved operations plan.
- 3. The facility permit, site plan, operations plan, and contingency plan/emergency preparedness manual were discussed.
- 4. Facility capacity is  $\leq 1,200$  whole scrap tires and storage of  $\leq 10$  tons or  $\sim 25$  yd<sup>3</sup> of shredded tires at any one time
- 5. At least seventy-five (75) percent of both scrap tires and processed tires delivered to or maintained on the site shall be removed within one year of receipt.
- 6. The Metro Energy Corporation scrap tire hauler identification number is NCT02307. Ensure scrap tire hauler registration is updated by March 1, 2014.
- 7. Metro Energy Corporation hauls scrap tires to the facility. The facility is not open to the general public.
- 8. The scrap tire storage area is designated by large cement blocks, forming a rectangle. The blocks are to prohibit liquid runoff if there is a tire fire.
- 9. Ensure the scrap tire storage area is kept free of grass, underbrush, and other potentially flammable vegetation at all times.
- 10. At the time of the inspection there was grass in the scrap tire storage area. Mr. Tucker stated that grass grows in the scrap tire storage area although he repeatedly kills it. And that he will apply chemicals to kill it again.
- 11. The facility is permitted to manually produce cut tires. See file copy letter dated March 18, 2011.
- 12. Two whole scrap tires were observed in the scrap tire storage area/on site. There were three small piles of processed tires (doughnuts, alligators, and sidewalls) in the scrap tire storage area.
- 13. Whole scrap tires and parts thereof capable of holding water stored outside shall be covered upon receipt or disposed of, processed, or removed within ten (10) days of receipt.
- 14. The facility operations plan states that the maximum size of the whole scrap tire pile is 50' x 20' x 10'.
- 15. The facility operations plan states that the maximum size of processed scrap tire piles is  $100 \text{ yd}^3$ . However, per the facility permit, the maximum amount of processed scrap tires is  $\sim 25 \text{ yd}^3$ .
- 16. The facility has removed the enclosed metal storage trailers.
- 17. A 50' buffer is required around the perimeter of each scrap tire pile. The buffer area shall be unobstructed and passable at all times.
- 18. Ensure the required buffer is free of obstructive material(s).
- 19. The facility office appears to be within the required 50' scrap tire buffer area.
- 20. The facility has constructed a utility building in the scrap tire storage area. Mr. Tucker stated that the building is used to store hand tools for cutting scrap tires and that the scrap tires used (in its fabrication) equate to  $\sim 20$  scrap tires. It is suggested that the utility building be relocated.
- 21. The facility has used scrap tires as construction material on site. Construction projects at the facility should not adversely affect human health or safety. See file copy letter dated March 13, 2013.

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- 22. The small number of scrap tires that are reusable could be sold to the general public and to used tire businesses.
- 23. The emergency preparedness manual is required to be updated annually. It was last updated on June 25, 2013.
- 24. There are two piles of dirt on site available for use in case of fire. A neighbor can apply with frontend loader or excavator.
- 25. The Chatham County Office of Fire Marshal issued a facility fire prevention permit, dated April 11, 2012.
- 26. A fire safety survey shall be conducted annually. Mr. Tucker was asked to ensure a fire safety survey is conducted. If additional discussion is desired please contact Geof Little, SWS-Environmental Engineer: 919-707-8252.
- 27. The Silk Hope Volunteer Fire Department will address an emergency at the facility.
- 28. The facility maintains records of the quantity of scrap tires received. Scrap tire certification from March 4, 2013 was verified. The facility received 103 scrap tires (~ 1 ton) from automotive businesses.
- 29. On March 13, 2013, the facility hauled-off 100 scrap tires to be used for a civil engineering purpose. A signed receipt indicating destination and quantity of scrap tires (100 treads and 200 sidewalls) was verified. Mr. Tucker was reminded that in addition to a receipt a scrap tire certification form is required.
- 30. Mr. Tucker stated that there are ~ 50 scrap tires on site. The scrap tires have been cut into doughnuts, alligators, and sidewalls.
- 31. The facility annual report (FAR) for July 2012 through June 2013 was received by the SWS on August 9, 2013. Facility throughput is 103 scrap tires received and 100 shipped-out (civil engineering purpose). And ~ 50 scrap tires remain on site.
- 32. Discuss with SWS Permitting Branch equipment, etc. related to mechanical shredding/crumb rubber production prior to purchase and installation.
- 33. The facility is currently in discussion with SWS regarding financial assurance.
- 34. The facility is secured by a chain.
- 35. The facility has proper signage.
- 36. A scrap tire collection site permit shall be issued for a period of not longer than three years. Permit renewal application shall be submitted to the Department not less than 60 days prior to the expiration date of the permit.

Phone: 336-771-5095 Fax: 336-771-4631

Please contact me if you have any questions or concerns regarding this inspection report.

John Patrone

**Environmental Senior Specialist** 

Regional Representative

Sent on: September 23, 2013	X	Email	Hand delivery	US Mail	Certified No. [ ]

Electronic Copies: Jason Watkins, Western District Supervisor

Sarah Rice, Compliance Officer Geof Little, Environmental Engineer

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Digital pictures taken September 20, 2013 by John Patrone DWM-SWS

Scrap tire storage area and utility building



scrap tires cut into doughnuts, alligators, and sidewalls



Grass in scrap tire storage area – facility to address



